

<b>FACSIMILE TRANSMITTAL FORM</b>	Application Number	10/658730
	Filing Date	September 9, 2003
	First Named Inventor	King, Vincent W.
	Art Unit	2873
	Examiner Name	Hung Xuan Dang
Fax: 703-872-9306	Attorney Docket Number	59003US002
Total Number of Pages in This Submission: 10		
Date: January 17, 2005	Attorney for Applicant: Rick L. Franzen	

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**JAN 17 2005**Patent  
Case No.: 59003US002**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

First Named Inventor: KING, VINCENT W.

Application No.: 10/658730

Group Art Unit: 2873

Filed: September 9, 2003

Examiner: Hung Xuan Dang

Title: MICROREPLICATED ARTICLE

**INFORMATION DISCLOSURE STATEMENT**Mail Stop: Amendment  
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<b>CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR § 1.8(a)]</b>	
I hereby certify that this correspondence is being:	
<input type="checkbox"/> deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
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January 17, 2005 Date	<i>Kathleen M. Sandvig</i> Signed by: Kathleen M. Sandvig

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

Copies of any cited foreign patents, foreign publications, non-patent literature documents, and any pending U.S. applications filed before June 30, 2003, are enclosed. Copies of any pending U.S. applications filed after June 30, 2003 that can be accessed on the USPTO's IFW system are not enclosed as per USPTO Waiver dated September 21, 2004. Copies of any U.S. patents and published U.S. patent applications are not enclosed.

Under 37 CFR § 1.97(e)(1), I hereby certify that items A4, A6, A7, and A9 contained in this Information Disclosure Statement were first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement.

Application No.: 10/658730Case No.: 59003US002

A copy of the Search Report from a foreign counterpart application is enclosed.

It is believed that no fee is due; however, in the event a fee is required, please charge the fee to Deposit Account No. 13-3723.

Respectfully submitted,

January 17, 2005  
Date

By: Rick L. Franzen  
Rick L. Franzen, Reg. No.: 51,702  
Telephone No.: (651) 736-6432

Office of Intellectual Property Counsel  
3M Innovative Properties Company  
Facsimile No.: 651-736-3833

<b>Substitute for form 1449A/PTO (modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 1 of 1	<b>Application Number</b>	10/858730
	<b>Filing Date</b>	September 9, 2003
	<b>First Named Inventor</b>	King, Vincent W.
	<b>Art Unit</b>	2873
	<b>Examiner Name</b>	Hung Xuan Dang
	<b>Attorney Case Number</b>	59003US002

U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code If Known)			
	A1	US- 3,893,795	07-08-1975	Nauta	
	A2	US- 4,448,739	05-15-1984	Baus	
	A3	US- 4,892,336	01-09-1990	Kaule et al.	
	A4	US- 6,074,192	06-13-2000	Mikkelsen	
	A5	US- 6,272,982 B1	08-14-2001	Stauffacher et al.	
	A6	US- 6,325,880 B1	12-04-2001	Yamashita et al.	
	A7	US- 6,373,636 B1	04-16-2002	Conley	
	A8	US- 2003/0102591 A1	06-05-2003	Thielman et al.	
	A9	US- 2003/0108710 A1	06-12-2003	Coyte et al.	
	A10	US-			
	A11	US-			
	A12	US-			

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
	B1	EP	EP 1352732 A2	10-15-2003			X (English Abstract)
	B2						
	B3						

OTHER DOCUMENTS			
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
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<b>*Examiner:</b>	<b>Date Considered:</b>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 59003WO003	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2004/023416	International filing date (day/month/year) 20/07/2004	(Earliest) Priority Date (day/month/year) 09/09/2003
Applicant 3M INNOVATIVE PROPERTIES COMPANY		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.
2. ☐ Certain claims were found unsearchable (See Box II).
3. ☐ Unity of invention is lacking (see Box III).
4. With regard to the title,
- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established by this Authority to read as follows:

## 5. With regard to the abstract,

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

## 6. With regards to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 12
- ☒ as suggested by the applicant.
- ☐ as selected by this Authority, because the applicant failed to suggest a figure.
- ☐ as selected by this Authority, because this figure better characterizes the invention.
- b. ☐ none of the figures is to be published with the abstract.

Form PCT/ISA/210 (first sheet) (January 2004)

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/023416A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B29D11/00 G02B3/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G02B B29D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 325 880 B1 (YAMASHITA YOSHIYUKI ET AL) 4 December 2001 (2001-12-04) column 15, line 18 - line 63; figure 15B	1-10, 20, 21 11-19
Y	US 2003/108710 A1 (BRISTER BETH ET AL) 12 June 2003 (2003-06-12) paragraph '0012! - paragraph '0037!; figures 1, 2	11-19
A	US 6 373 636 B1 (CONLEY KENNETH E) 16 April 2002 (2002-04-16) column 8, line 50 - column 9, line 6; figure 7	1, 11, 19, 20
A	US 6 074 192 A (MIKKELSEN OEYSTEIN) 13 June 2000 (2000-06-13) abstract; figure 4	1, 11, 19, 20

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

3 December 2004

Date of mailing of the international search report

10/12/2004

Name and mailing address of the ISA

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Lehtiniemi, J

Form I/C1/ISA/210 (second sheet) (January 2004)

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/023416

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6325880	B1	04-12-2001	JP 9311202 A	02-12-1997
			JP 9311203 A	02-12-1997
			JP 9311204 A	02-12-1997
			US 6130777 A	10-10-2000
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US 6373636	B1	16-04-2002	NONE	
US 6074192	A	13-06-2000	AU 9225498 A	29-03-1999
			WO 9912718 A1	18-03-1999

Form PCT/ISA/210 (patent family annex) (January 2004)